

IN THE CLAIMS:

The following is a complete listing of the claims, and replaces all earlier versions and listings.

1. (currently amended): An image processing method of generating print data for a plurality of different color materials to be used by a printer, ~~based on data to be printed~~, the method comprising:

a step of generating ~~the~~ print data of a secondary ~~or higher mixture~~ color ~~[[for]]~~ by using print data of predetermined two or more color hues from among the plurality of colors of print data, ~~based on the data to be printed~~; and

a step of generating processed print data, in which original print data of the predetermined two hues is replaced at least partially with the print data of the secondary ~~or higher mixture color for the predetermined two or more hues~~,

wherein the color material for generating the print data of the secondary color has a higher lightness than do the color materials for generating the print data of the predetermined two hues.

2. (currently amended): An image processing method of generating print data for a plurality of different color materials to be used by a printer, based on data to be printed, the method comprising:

a step of generating n-value print data of a secondary ~~or higher mixture~~ color for predetermined two ~~or more~~ color hues from among the plurality of colors of print

data, based on m-value data to be printed (where $m > n[[:]]$ and m and n ~~being an~~ are both integers);

a step of causing the generated n-value print data of the secondary ~~or higher~~ ~~mixture~~ color to correspond to the m-value data; and

a step of generating n-value print data for the predetermined two ~~or more~~ color hues based on data obtained by subtracting the ~~corresponded~~ corresponding m-value data of the secondary ~~or higher mixture~~ color from the m-value data for the predetermined two ~~or more~~ color hues,

wherein the color material for generating the print data of the secondary color has a higher lightness than do the color materials for generating the print data of the predetermined two hues.

3. (cancelled).

4. (currently amended): An image processing method according to claim 1, wherein ~~the predetermined two or more color hues~~ the predetermined two color hues are two color hues from among three primary colors for color printing.

5. (original): An image processing method according to claim 1, wherein the color material is ink.

6. (currently amended): An image processing method according to claim 5, wherein the color material of the secondary mixture color is a cation dye and other color materials are anion dyes.

7. (cancelled).

8. (currently amended): An image processing method according to claim 2, wherein ~~the predetermined two or more color hues~~ the predetermined two color hues are two color hues from among three primary colors for color printing.

9. (original): An image processing method according to claim 2, wherein the color material is ink.

10. (currently amended): An image processing method according to claim 9, wherein the color material of the secondary mixture color is a cation dye and other color materials are anion dyes.

11. (currently amended): A printer for printing data by using print data for a plurality of different color materials to be used by a printer, based on data to be printed, the printer comprising:

printing means for printing each color by using a plurality of different color materials based on the print data; and

data supplying means for supplying said printing means with print data generated by a secondary mixture color data generating process of generating the print data of a secondary ~~or higher mixture~~ color ~~[[for]]~~ by using print data of predetermined two or more color hues from among the plurality of colors of print data, ~~based on the data to be printed~~ and by a data generating process of generating processed print data, in which original print data of the predetermined two hues is replaced at least partially with the print data of the secondary ~~or higher mixture~~ color ~~for the predetermined two or more hues~~.

wherein the color material for generating the print data of the secondary color has a higher lightness than do the color materials for generating the print data of the predetermined two hues.

12. (currently amended): A printer for printing data by using print data for a plurality of different color materials to be used by a printer, based on data to be printed, the printer comprising:

printing means for printing ~~each of~~ in colors by using a plurality of different color materials based on the print data; and

data supplying means for supplying said printing means with print data generated by a secondary color data generating process of generating n-value print data of a secondary ~~or higher mixture~~ color for predetermined two ~~or more~~ color hues from among the plurality of colors of print data, based on m-value data to be printed (where $m > n[[:]$ and m and n ~~being an~~ are both integers), by a process of causing the n-value print data of the secondary ~~or higher mixture~~ color generated in the secondary color data generating process to correspond to the m-value data, and by a process of generating n-value print data

for the predetermined two ~~or more~~ color hues based on data obtained by subtracting the ~~corresponded~~ corresponding m-value data of the secondary ~~or higher mixture~~ color from the m-value data for the predetermined two ~~or more~~ color hues,

wherein the color material for generating the print data of the secondary color has a higher lightness than do the color materials for generating the print data of the predetermined two hues.

13. (cancelled).

14. (currently amended): A printer according to claim 11, wherein ~~the predetermined two or more color hues~~ the predetermined two color hues are two color hues from among three primary colors for color printing.

15. (original): A printer according to claim 11, wherein the color material is ink.

16. (original): A printer according to claim 11, wherein said printing means includes a head for each of the plurality of color materials for printing by discharging ink.

17. (currently amended): A printer according to claim 16, wherein ~~the~~ each head forms a bubble in the ink by using heat energy and discharges the ink by ~~[[a]]~~ means of pressure of the bubble.

18. (currently amended): A printer according to claim 11, wherein the color material of the secondary mixture color is a cation dye and other color materials are anion dyes.

19. (cancelled).

20. (currently amended): A printer according to claim 12, wherein ~~the predetermined two or more color hues~~ the predetermined two color hues are two color hues from among three primary colors for color printing.

21. (original): A printer according to claim 12, wherein the color material is ink.

22. (original): A printer according to claim 12, wherein said printing means includes a head for each of the plurality of color materials for printing by discharging ink.

23. (currently amended): A printer according to claim 22, wherein ~~the~~ each head forms a bubble in the ink by using heat energy and discharges the ink by ~~[[a]]~~ means of pressure of the bubble.

24. (currently amended): A printer according to claim 12, wherein the color material of the secondary mixture color is a cation dye and other color materials are anion dyes.

25. (currently amended): A storage medium ~~which stored~~ storing a program readable by an information processing apparatus, the program realizing image processing for generating print data for a plurality of different color materials to be used by a printer, based on data to be printed, the program ~~printer~~ comprising:

a step of generating ~~the~~ print data of a secondary ~~or higher mixture~~ color ~~[[for]]~~ by using print data of predetermined two or more color hues from among the plurality of colors of print data, ~~based on the data to be printed~~; and

a step of generating processed print data, in which original print data of the predetermined two hues is replaced at least partially with the print data of the secondary ~~or higher mixture color for the predetermined two or more hues~~,

wherein the color material for generating the print data of the secondary color has a higher lightness than do the color materials for generating the print data of the predetermined two hues.

26. (currently amended): A storage medium ~~which stored~~ storing a program readable by an information processing apparatus, the program realizing image processing for generating a plurality print data for a plurality of different color materials to be used by a printer, based on data to be printed, the program ~~printer~~ comprising:

a step of generating n-value print data of a secondary ~~or higher mixture~~ color for predetermined two ~~or more~~ color hues from among the plurality of colors of print data, based on m-value data to be printed (where $m > n[[:]$] and m and n ~~being an~~ are both integers);

a step of causing the generated n-value print data of the secondary ~~or higher mixture~~ color to correspond to the m-value data; and

a step of generating n-value print data for the predetermined two ~~or more~~ color hues based on data obtained by subtracting the ~~corresponded~~ corresponding m-value data of the secondary ~~or higher mixture~~ color from the m-value data for the predetermined two ~~or more~~ color hues,

wherein the color material for generating the print data of the secondary color has a higher lightness than do the color materials for generating the print data of the predetermined two hues.